

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
27 January 2005 (27.01.2005)

PCT

(10) International Publication Number
WO 2005/007727 A1

(51) International Patent Classification⁷: C08J 3/20, 5/10, 9/00, C08K 3/08, C08J 3/20, 5/10, C08K 3/00, 3/08, 3/40, 7/02, 7/04, 7/06

(21) International Application Number:
PCT/NL2004/000507

(22) International Filing Date: 13 July 2004 (13.07.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
03102228.8 18 July 2003 (18.07.2003) EP

(71) Applicant (for all designated States except US): DSM IP ASSETS B.V. [NL/NL]; Het Overloon 1, NL-6411 TE Heerlen (NL).

(72) Inventors; and

(75) Inventors/Applicants (for US only): SOUR, Wilhelmus, Josephus, Maria [NL/NL]; Praaglaan 110, NL-6229 HP Maastricht (NL). GIJSMAN, Pieter [NL/NL]; Hoogland 54, NL-6191 NM Beek (NL).

(74) Agent: KRIJGSMAN, Willem; DSM Intellectual Property, P.O. Box 9, NL-6160 MA Geleen (NL).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 2005/007727 A1

(54) Title: HEAT STABILIZED MOULDING COMPOSITION

(57) Abstract: Process for preparing a moulding composition comprising melt-mixing of a thermoplastic polymer, a non-metallic inorganic filler and elementary iron having a weight average particle size of at most 450 µm to form a composition wherein the thermoplastic polymer forms a continuous phase. The invention further relates to a composition obtainable with the inventive process, the use thereof for making moulded parts, as well as to moulded parts and the use thereof in applications wherein the moulded part is exposed to elevated temperature.

BEST AVAILABLE COPY